

ABSTRACT

A ultrasound platform is used to generate, process and display ultrasound images using a probe connected via a sterilizable connector. The probe is used to take ultrasound 5 images, and can be a sterilizable finger mounted probe. The sterilizable connector includes a connector housing which has been sealed to prevent moisture from entering it, and a multi-wire cable which is electrically coupled to the probe at a first end and coupled to the connector housing at a second end. The 10 multi-wire cable has its second end sealed with the connector housing to prevent moisture from entering the sealing between the multi-wire cable and the connector housing. A plurality of electrical contacts are formed on at least one surface of the sterilizable connector. A mating connector is used to 15 electrically couple the sterilizable connector to a standard connector for directly connecting to the ultrasound platform. The mating connector has a plurality of mating contacts formed thereon for electrical coupling with the electrical contacts of the sterilizable connector. The sterilizable connector can be 20 separated from the standard connector and the mating connector, such that the probe and the sterilizable connector can be sterilized.